Test \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit 7 Study Guide**

Complete on a SEPARATE sheet of paper. Solve and *CHECK* each equation!!!!

**7.1 Solving Two-Step Equations**

1. 4x – 17 = 31 2. 7 = 3 + x/6

3. 9n + 18 = 81 4. 25 – 13F = -14

**7.2 Solving Multi-Step Equations**

5. 0 = 5(k + 9) 6. 9 – 3(n – 5) = 30

7. 4(4 – a) = 8 8. 4p + 5 – 7p= -1

9. – 21 = 3 – 4n + n 10. 154 = 6 + 4(5 + 8x)

11. -111 = 3(4v – 5) 12. -7 – 4(3a + 8) = -87

**7.3 Multi-Step Equations with Fractions and Decimals**

13. -15.3 = -7.5k + 55.2 14. 14 = 2/9y – 15

15. 1/5 y + 12= 9/10  16. -8.3 = 0.9x – 0.2

**7.4 Write an Equation**

Be able to ***write*** an equation of form px + q = r and solve!

17. Seven less than 4 times the number x is 21.

18. Eliza had $24 to spend on four pens. After buying them she had $14. How much did each pen cost?

19. Andrew purchased 3 sandwiches. He paid $1.25 in tax. If he paid $12.35 total, what is the cost of one sandwich?